CONTENTS OF VOLUME 16

NUMBER 1, JANUARY 1997

RESEARCH PAPERS

1 **Diagnosis of Mucin-Producing Tumor of the Pancreas with an Intraductal Ultrasonographic System**
Tomoyuki Taki, Hidemi Goto, Yasuo Naitoh, Yoshiki Hirooka, Tsuyoshi Furukawa, Tetsuo Hayakawa

7 **Value of Laparoscopic Ultrasonography in Staging of Proximal Bile Duct Tumors**
Otto M. van Delden, Laurens T. de Wit, Els J.M. Nieveen-van Dijkum, Nico J. Smits, Dirk J. Gouma, Jacques W.A.J. Reeders

13 **Growth Retardation in Fetuses with Gastroschisis**
B. Denise Raynor, Douglas Richards

17 **Typical Sonographic Appearance of Duodenal Diverticulum**
Catherine M. Olsson, Paul E. Nilsson, Anders K. Nilsson, Ingemar S. Lorén

23 **Sonographic Prediction of Viability in Testicular Torsion: Preliminary Observations**
William D. Middleton, Mary A. Middleton, Meghan Dierks, David Keetch, Steve Dierks

31 **Color Doppler Imaging Versus Phlebography in the Diagnosis of Deep Leg and Pelvic Vein Thrombosis**
Dirk Becker, Erwin Günter, Richard Strauss, Klaus Cidlinsky, Bernd Tomandl, Dolores Kalden-Nemeth, Daniel Neureiter, Werner Lang, Eckhart G. Hahn

39 **Sonographic Features of Head and Neck Hemangiomas and Vascular Malformations: Review of 23 Patients**
Wei Tse Yang, Anil Ahuja, Constantine Metreweli

45 **Ultrasonographic Diagnosis of Subclinical Filariasis**
Seshadri Suresh, Vasanthapuram Kumaraswami, Indrani Suresh, Krishnamurthy Rajesh, Ganesan Suguna, Vadivelu Vijayasekaran, Arunachalam Ruckmani, M. Gopalrajan Rajamanickam

51 **Clinical Utility of Color Doppler Sonography in the Differentiation of Hepatocellular Carcinoma from Metastases and Hemangioma**
Zu-Yau Lin, Liang-Yen Wang, Jing-Houng Wang, Sheng-Nan Lu, Shinn-Cherng Chen, Wan-Long Chuang, Ming-Yuh Hsieh, Jung-Fa Tsai, Wen-Yu Chang

CASE REPORTS

59 **Increased Cortical Echogenicity of the Normal Kidney in Infants with Unilateral Renal Artery Stenosis: Report of Two Cases**
Goya Enríquez, Francisco Castelló, Paulino Sousa, Celestino Aso, Javier Lucaya

65 **Sonographic Identification of Perinatal Testicular Torsion**
Marta Hernanz-Schulman, Filiz Yenicesu, Richard M. Heller, John W. Brock III

69 **Antenatal Diagnosis of Wilms Tumor**
Indrani Suresh, Seshadri Suresh, Rajesh Arumugam, Meera Govindarajan, Muramreddy Penchala Reddy, Nandimandalam Venkata Sulochana

DEPARTMENTS

28 **Book Review**
29 **AIUM CME Credit Test**
64 **Book Review**
68 **Continuing Education**
73 **Product News**

NUMBER 2, FEBRUARY 1997

RESEARCH PAPERS

75 **Prenatal Ultrasound Characterization of the Suprarenal Mass: Distinction Between Neuroblastoma and Subdiaphragmatic Extralobar Pulmonary Sequestration**
Michael R. Curtis, David P. Mooney, Therese J. Vaccaro, J. Chandler Williams, Marc Cendron, Nicholas A. Shorter, Steven K. Sargent

85 **Doppler Ultrasonographic Evaluation of Blood Flow in the Superior Mesenteric Artery in Celiac Patients and in Healthy Controls in Fasting Conditions and After Saccharose Ingestion**
Antonio Aliotta, Maurizio Pompili, Gian Ludovico Rapaccini, Italo De Vitis, Salvatore Caputo, Augusto Cedrone, Anna Grattagliano, Giovanni Gasbarrini

95 **Ventricular Discrepancy as a Sonographic Sign of Coarctation of the Fetal Aorta: How Reliable Is It?**
Douglas L. Brown, Sara M. Durfee, Lisa K. Hornberger

101 **First Trimester Isolated Fetal Nuchal Lucency: Significance and Outcome**
Claudia S. Reynders, Susan P. Pauker, Beryl R. Benacerraf

107 **In Vivo Detection of Carotid Plaque Thrombus by Ultrasonic Tissue Characterization**
Tomoaki Noritomi, Bernard Sigel, Vivian Gahtan, Vanlila Swami, Jeffery Justin, Ernest Feleppa, Kazuo Shirouzu

113 **Thrombosis of the Proximal Greater Saphenous Vein: Ultrasonographic Diagnosis and Clinical Significance**
Eric R. Sover, Harry M. Brammer, Anthony M. Rowedder

117 **Improved System for Sonographic Imaging and Biometry of the Cornea**
Ronald H. Silverman, Dan Z. Reinstein, Tatiana Raevsky, D. Jackson Coleman

125 **Postoperative Color Doppler Flow Ultrasonographic Assessment of Ureteral Patency in Gynecologic Oncology Patients**
Ovadia Abulafia, David M. Sherer, Paul S. Lee

131 **Color Flow Sonography in Evaluating the Resectability of Periampullary and Pancreatic Tumors**
Philip W. Ralls, Sherry M. Wren, Randall Radin, Steven C. Stain, Jason Yang, Dilipkumar Parekh

141 **Factors Related to Detection of Blood Flow by Color Doppler Ultrasonography in Intussusception**
Man-Shan Kong, Ho-Fai Wong, Sung-Lien Lin, Jing-Liang Chung, Jer-Nan Lin

CASE REPORTS

145 **Lactating Adenoma of the Breast: Antepartum and Postpartum Sonographic and Color Doppler Imaging Appearances with Histopathologic Correlation**
Wei Tse Yang, Michael Suen, Constantine Metreweli

149 **Extrarenal Wilms Tumor**
Julie H. Song, Katrine Hansen, Michael T. Wallach

153 **Successful Thoracoamniotic Shunting and Review of the Literature in Unilateral Pleural Effusion with Hydrops**
Louise E. Wilkins-Haug, Peter Doubilet

DEPARTMENTS

92 **Continuing Education**
93 **CME Credit Test**

NUMBER 3, MARCH 1997

RESEARCH PAPERS

161 **Sonographic Features of Benign Papillary Neoplasms of the Breast: Review of 22 Patients**
Wei Tse Yang, Michael Suen, Constantine Metreweli

169 **Maternal Postural Challenge as a Functional Test for Cervical Incompetence**
Geoffrey Wong, Deborah Levine, Jack Ludmir

177 **Application of Automatic Boundary Detection for Computerized Quantitative Analysis of Left Ventricular Regional Wall Motion by Two-Dimensional Echocardiography**
Liang-Miin Tsai, Tzu-Pei Chen, Tain-Song Chen, Jyh-Hong Chen

183 **Spigelian Hernia: Diagnosis by High-Resolution Real-time Sonography**
Mohammed M. Mufid, Monzer M. Abu-Yousef, Michael E. Kakish, Luis F. Urdaneta, Adel S. Al-Jurf

189 **Torsion of the Testicular Appendages: Sonographic Appearance**
Simon Strauss, Ricardo Faingold, Hana Manor

195 **Transvaginal Ultrasonographic Assessment of Hyskon or Lactated Ringer's Solution Instillation After Laparoscopy: Randomized, Controlled Study**
Cynthia K. Sites, Beth A. Jensen, Jacob L. Glock, Judy A. Blackman, Gary J. Badger, Julia V. Johnson, John R. Brumsted

201 **Ultrasonographic Stress Testing of Ulnar Collateral Ligament Injuries of the Thumb**
Susan L. Murphey, Beverly E. Hashimoto, John Buckmiller, Dawna Kramer, Lynn Wiitala

209 **Accuracy of Ultrasonography in Assessing Spleen and Liver Size in Patients with Gaucher Disease: Comparison to Computed Tomographic Measurements**
Deborah Elstein, Irit Hadas-Halpern, Yosef Azuri, Ayala Abrahamov, Yaakov Bar-Ziv, Ari Zimran

213 **Detection of Vertebrobasilar Intracranial Stenoses: Transcranial Doppler Sonography Versus Angiography**
Jean-Michel de Bray, Alain Missoum, Frederic Dubas, Jean Emile, Philippe Lhoste

CASE REPORTS

219 **Prenatal Diagnosis of Gastric Duplication Cyst**
Mustafa N. Özmen, Lütfü Önderoglu, Arbay O. Ciftci, Okan Akhan, F. Cahit Tanyel

223 **Liver Infiltration in Systemic Mastocytosis: Ultrasonographic Findings**
Ferran Bastart, Isabel Escape, Carlos Solduga, Daniel Dallari, Pere Tudela

227 **Prenatal Evaluation of Mesenchymal Hamartoma of the Liver: Gray Scale and Power Doppler Sonographic Imaging**
Stephen M. Bejvan, Thomas C. Winter, Laurence E. Shields, Brigit V. Brock, Hanh V. Nghiem, Udo P. Schmiedl, John H. Waldhausen

231 **Ureteral Duplication Anomaly with Ectopic Intraprostatic Insertion**
Philip Amatulle, Robert A. Kane, Francis Bradley

DEPARTMENTS

188 **Continuing Education**
193 **AIUM CME Credit Test**
200 **Letter to the Editor**
208 **Letter to the Editor**
212 **Book Review**
230 **Book Review**
234 **Product News**

NUMBER 4, APRIL 1997

RESEARCH PAPERS

235 **High-Resolution Ultrasonography in the Differential Diagnosis of Cystic Diseases of the Kidney in Infancy and Childhood: Preliminary Experience**
Manish Jain, Garry W. LeQuesne, Anthony J. Bourne, Paul Henning

241 **Improved Birth Weight Table for Neonates Developed from Gestations Dated by Early Ultrasonography**
Peter M. Doubilet, Carol B. Benson, Allan S. Nadel, Steven A. Ringer

251 **Serial Ultrasonographic Imaging Evaluation of the Patellar Tendon after Harvesting Its Central One Third for Anterior Cruciate Ligament Reconstruction**
J. Preston Wiley, Robert C. Bray, David A. Wiseman, P. Davis Elliott, Katherine O. Ladly, Loldine A. Vale

257 **Transvaginal Sonohysterography for the Early Diagnosis of Residual Trophoblastic Tissue**
Igal Wolman, Joseph Hartoov, David Pauzner, Asnat Grutz, Ami Amit, Menachem P. David, Ariel J. Jaffa

263 **Neonatal Ultrasonography to Distinguish Between Meconium Ileus and Ileal Atresia**
Marianne R. Neal, Joanna J. Seibert, Theodora Vanderzalm, Charles W. Wagner

269 **Color Doppler Ultrasonographic Detection of a Vibrating Needle System**
C. Darryl Jones, John P. McGahan, Karen J. Clark

275 **Color Doppler Energy: Computer Analysis of Color to Assess Angle Dependency and Detection of Volume Flow Differences**
Anders Nilsson, Per-Åke Olofsson, Ingemar Lorén, Lennart Carlstedt, Paul Nilsson

CASE REPORTS

281 **Deep Venous Thrombosis as a Cause of Pelvic Pain in Children**
Dana S. Schwartz, Marc S. Keller

285 **Fetal Intraventricular Glioblastoma: Ultrasonographic, Magnetic Resonance Imaging, and Pathologic Findings**
Laurent Guibaud, Fabienne Champion, Annie Buenerd, Mario Pelizzari, Jacques Bourgeois, Jean Pierre Pracros

289 **Meconium Peritonitis: Changes in Fetal C-Reactive Protein and CA 125 Levels in Relation to Stage of Disease**
Masahide Ohmichi, Hiroyuki Kanai, Tohru Kanzaki, Kohichi Matumoto, Reiko Neki, Yoshihide Chiba, Shinkichi Kamata, Yuji Murata

293 **Echo-Doppler Sonographic Diagnosis of Hypoxic Hepatitis in Patients with Cardiac Failure**
Waldemar Gorka, Tanja S. Gorka

297 **Fetal Adrenal Hemorrhage in a Diamniotic, Dichorionic Twin: Case Report and Review of Controversies in Diagnosis and Management**
Sajjad ur Rahman, Arne Ohlsson, Katherine W. Fong, Phyllis Glanc

DEPARTMENTS

250 **Letter to the Editor**
256 **Continuing Education**
262 **Product News**
267 **AIUM CME Credit Test**
301 **AIUM Case of the Day Answers**
308 **AIUM Film Panel Session Answers**

NUMBER 5, MAY 1997

RESEARCH PAPERS

309 **Contrast-Enhanced Ultrasonographic Visualization of Gonadal Torsion**
Janis M. Brown, Kenneth J.W. Taylor, Jonathan L. Alderman, Cara Quedens-Case, Yigal Greener

317 **Ultrasonographic Detection of Testicular Ischemia in a Canine Model Using Phospholipid Coated Microbubbles (MRX-115)**
Catherine Metzger-Rose, Elizabeth A. Krupinski, William H. Wright, Michael R. Baker, Thomas P. McCreery, Terrence R. Barrette, Evan C. Unger

327 **Transcranial Color Doppler Imaging of Brain Arteriovenous Malformations in Adults**
Suzie M. El-Saden, Edward G. Grant, James Sayre, Fernando Vinuela, Gary Duckwiler

335 **Quantitative Estimation of Ultrasonographic Attenuation in the Myocardium Using Conventional Echocardiographic Instrumentation**
Anil Kumar, Joie P. Jones, P. Anthony N. Chandraratna

341 **Comparative Study of 18 Gauge and 20 Gauge Intravenous Catheters During Transcranial Doppler Ultrasonography with Saline Solution Contrast**
Khurshid A. Khan, Michael Yeung, Ashfaq Shuaib

345 **Normal Splenic Size in a Chinese Population**
William K. Loftus, Constantine Metreweli

349 **Evaluation of Adnexal Masses Using Three-Dimensional Ultrasonographic Technology: Preliminary Report**
Linda Chan, W. Michael Lin, Boonchai Uerpairojkit, Denise Hartman, E. Albert Reece, William Helm

355 **Doppler Flow Characteristics of Dermoid Cysts: Unique Appearance of Struma Ovarii**
Yaron Zalel, Benjamin Caspi, Ron Tepper

359 **Changes in Umbilical Artery, Middle Cerebral Artery, and Aorta Blood Flow Doppler Waveform Pulsatility Indices After Funisocentesis**
Yvon Chitrit, Patrick Caubel, Marie C. Boulanger, Anne L. Schwinte, Francoise Baledent, Daniel Lusina, Martine Ter Sakarian

CASE REPORTS

365 **Congenital Thymic Cyst: Prenatal Sonographic and Postnatal Magnetic Resonance Findings**
Enrique de Miguel Campos, Antonio Casanova, José Urbano, José Delgado Carrasco

369 **Tuberculous Tenosynovitis of the Hand: Evaluation with B-Mode Ultrasonography**
Jochen Riehl, Hans Schmitt, Dagmar Bergmann, Heinz-Guenther Sieberth

373 **Umbilical Artery Doppler Velocimetry Waveform Notching and Umbilical Cord Abnormalities**
Julian N. Robinson, Alfred Z. Abuhamad, Atef Sayed, Arthur T. Evans

377 **Antenatal Sonographic Detection of Cerebral White Matter Necrosis**
Lyndon M. Hill

DEPARTMENTS

325 **CME Credit Test**
348 **Product News**
368 **Continuing Education**
376 **Product News**

NUMBER 6, JUNE 1997

RESEARCH PAPERS

381 **Sonohysterography Combined with Sonosalpingography: Correlation with Endoscopic Findings in Infertility Patients**
Arthur C. Fleischer, Jaime M. Vasquez, Jeanne A. Cullinan, Esther Eisenberg

387 **Doppler Velocimetry Discordancy of the Uterine Arteries in Pregnancies Complicated by Diabetes**
Luis A. Bracero, John Evanco, Daniel W. Byrne

395 **Sonographic Measurements of the Neonatal Thyroid Gland**
Aruna Vade, Michael E. Gottschalk, Ellen M. Yetter, Perla Subbaiah

401 **Growth of the Fetal Forehead and Normative Dimensions Developed by Three-Dimensional Ultrasonographic Technology**
Eyal Sivan, Linda Chan, Boonchai Uerpairojkit, Ging-Ping Chu, E. Albert Reece

407 **Abdominal Circumference in Fetuses with Congenital Diaphragmatic Hernia: Correlation with Hernia Content and Pregnancy Outcome**
Jeronima Teixeira, Waldo Sepulveda, Jamiyah Hassan, Phillip M. Cox, Mahinder P. Singh

411 **Evaluation of Doppler Ultrasonography as a Means of Monitoring In Vitro Fertilization and Embryo Transfer Cycles: Preliminary Results and Findings**
Janis M. Brown, Lisa B. Schwartz, David Olive, Robert Lange, Neri Laufer, Kenneth J.W. Taylor

417 **Diagnostic Efficacy of Ultrasonography in Stage I Posterior Tibial Tendon Dysfunction: Sonographic-Surgical Correlation**
Yeung-Jen Chen, Shih-Chieh Liang

425 **Complex Adnexal Mass in Pregnancy: Predictive Value of Color Doppler Sonography**
Thomas C. Wheeler, Arthur C. Fleischer

CASE REPORTS

429 **Diagnosis of a Posterior Fossa Dural Arteriovenous Fistula in a Neonate by Cranial Ultrasonography**
Marianna Caponigro, Roy A. Filly, Christopher F. Dowd

433 **Ultrasonographic Diagnosis of Hip Snapping Related to Iliopsoas Tendon**
Beverly E. Hashimoto, Thomas M. Green, Lynn Wiitala

437 **Hepatic Arterial Pseudoaneurysm After Placement of Transjugular Intrahepatic Portosystemic Shunt**
Gary D. Schweiger, Mark L. Redick, Edward L. Siegel, Linda A. Harrison, Stanton J. Rosenthal

441 **Primary Megaureter Mimicking Hydrosalpinx on Ultrasonography**
Barbara S. Hertzberg, Mark A. Kliewer, Richard A. Leder, Barbara A. Carroll

DEPARTMENTS

385 **CME Credit Test**
436 **Continuing Education**
445 **Letter to the Editor**

NUMBER 7, JULY 1997

RESEARCH PAPERS

447 **Adnexal Masses During Pregnancy: Accuracy of Sonographic Diagnosis and Outcome**
Bryann Bromley, Beryl Benacerraf

455 **Influence of Ovulation Induction with Human Menopausal Gonadotropin on Uterine Blood Flow: Comparison of Unexplained and Mechanical Infertility**
Asnat Groutz, Igal Wolman, Ariel J. Jaffa, Joseph B. Lessing, Israel Yovel, Ami Amit

459 **Supraventricular Tachycardia in the Fetus: Conservative Management in the Absence of Hemodynamic Compromise**
Lynn L. Simpson, Gerald R. Marx, Mary E. D'Alton

465 **Clinical Significance of Sonographically Detected Uterine Synechiae in Pregnant Patients**
Robert H. Ball, Sherrie E. Buchmeier, Michelle Longnecker

471 **Mathematical Modeling of the Dilution Curves for Ultrasonographic Contrast Agents**
Chandra M. Sehgal, Peter H. Arger

481 **Ultrasonographic Visibility of Supraclavicular Lymph Nodes in Normal Subjects**
Hiroko Tsunoda-Shimizu, Yukihisa Saida

485 **Sonographic Detection of Tumor Blood Flow Using a New Contrast Agent in Woodchuck Hepatomas**
Takayuki Nada, Fuminori Moriyasu, Yuko Kono, Yoshiki Suginoshita, Takeshi Matsumura, Kyoko Kobayashi, Takefumi Nakamura, Tsutomu Chiba

493 **Contrast Enhanced Sonography of Visceral Perfusion Defects in Dogs**
Janis M. Brown, Cara Quedens-Case, Jonathan L. Alderman, Yigal Greener, Kenneth J.W. Taylor

CASE REPORTS

501 **Pathognomonic Sign of Twin Reversed Arterial Perfusion Using Color Doppler Sonography**
Tracy Papa, Anh Dao, Joseph P. Bruner

505 **Primary Ovarian Carcinoid: Value of Octreotide Scintigraphy for Diagnosis and Correlation with Other Cross-Sectional Imaging Modalities and Pathology**
Victoria Trapanotto, Ulrike M. Hamper, Amy Gordon, Alan S. Krasner, A. Cahid Civelek

509 **Early Second Trimester Twin Embolization Syndrome**
Uriel Elchalal, Vasilios Tanos, Benjamin Bar-Oz, Michael Nadjari

DEPARTMENTS
453 CME Credit Test
470 Continuing Education
484 Product News

NUMBER 8, AUGUST 1997

RESEARCH PAPERS
515 Endoluminal Sonographic Evaluation of Ureteral and Renal Pelvic Neoplasms
Ji-Bin Liu, Demetrius H. Bagley, Michael J. Conlin, Daniel A. Merton, Archie A. Alexander, Barry B. Goldberg

525 Doppler Spectrum Analysis Versus Direct Femoral Artery Pressure Measurement for Rapid Assessment of Aortoiliac Obstruction
J. Adam van der Vliet, Willem N.J.C. van Asten, José H. Haenen, Albert P.M. Boll, Frans G.M. Buskens

529 Prototype Therapeutic Ultrasound Emitting Catheter for Accelerating Thrombolysis
Katsuro Tachibana, Shunro Tachibana

537 Hemobilia: Sonographic Appearances in the Gallbladder and Biliary Tree with Emphasis on Intracholecystic Blood
Faye C. Laing, Mary C. Frates, Vickie A. Feldstein, Ruth B. Goldstein, Sandra Mondro

545 Preoperative Assessment of Myometrial Invasion of Endometrial Cancer by MR Imaging and Intrauterine Ultrasonography with a High-frequency Probe: Preliminary Study
Hiroshi Tsuda, Katsuko Murata, Masami Kawabata, Kumio Yamamoto

549 Effect of Respiration, Exercise, and Food Intake on Hepatic Vein Circulation
Ulf K. M. Teichgräber, Michael Gebel, Thomas Benter, Michael P. Manns

555 Renal Aspergilloma Mimicking a Tumor on Ultrasonography
Ying Fung, Hsu-Chong Yeh

CASE REPORTS
559 Persistent Patency of the Ductus Venosus: Consequence of Portal Hypertension in an Infant?
Peter J. Strouse, Michael A. DiPietro

563 Lymphangioma of the Jejunal Mesentery
David P. Neumann, E. Marvin Henken

565 Pleurosubcutaneous Fistula After Percutaneous Pigtail Catheter Insertion
Chung-Ching Hua, Chin-Jen Chen

DEPARTMENTS
513 Guest Editorial
523 CME Credit Test
536 Continuing Education
568 Product News

NUMBER 9, SEPTEMBER 1997

RESEARCH PAPERS
569 Hyperechoic Pseudotumors in Segment IV of the Liver
Leopoldo Rubaltelli, Sergio Savastano, Lisa Cellini, Benedetta Zambotti, Umberto Marchioro

575 **Sonographic Findings in Bone Marrow Transplant Patients with Symptomatic Hepatic Venoocclusive Disease**
Melhem J.A. Sharafuddin, Mary C. Foshager, Michael Steinbuch, Daniel J. Weisdorf, David W. Hunter

587 **Comparison of Sonography, Sonohysterography, and Hysteroscopy for Evaluation of Abnormal Uterine Bleeding**
Mo H. Saidi, R. Kent Sadler, Vernon D. Theis, Bruce D. Akright, Scott A. Farhart, Gil R. Villanueva

593 **Blunt Traumatic Rupture of the Diaphragm: Sonographic Diagnosis**
Hak Hee Kim, Young Rok Shin, Ki Jun Kim, Sung Su Hwang, Hyun Kwon Ha, Jae Young Byun, Kyu Ho Choi, Kyung Sub Shinn

599 **Unilateral Lung Hypoplasia: Report of Three Cases**
Bryann Bromley, Beryl R. Benacerraf

603 **Ultrasonographic Diagnosis of Ectopic Pregnancy: Importance of Transabdominal Imaging**
Harry L. Zinn, Harris L. Cohen, Daniel L. Zinn

609 **Polyhydramnios and Fetal Intrauterine Growth Restriction: Ominous Combination**
G. Kimberly Sickler, David A. Nyberg, Roya Sohaey, David A. Luthy

615 **Parotid MALT Lymphoma in HIV Infected Children**
Peter Corr, Monica Vaithilingum, Prakash Jeena

619 **Axial Ultrasonographic Imaging of the Fetal Maxilla for Accurate Characterization of Facial Clefts**
Catherine J. Babcook, John P. McGahan

CASE REPORTS

627 **Renal Tubular Dysgenesis: A Cause of Second Trimester Oligohydramnios**
Lyndon M. Hill, Lynne A. Hill

631 **Sonographic Demonstration of Widespread Uterine Angiomatosis in a Pregnant Patient with Klippel-Trenaunay-Weber Syndrome**
Douglas S. Richards, Amelia C. Cruz

635 **Prenatal Sonographic Findings Associated with Lymphangioma of the Chest Wall**
J. Andres Robert, Waldo Sepulveda

DEPARTMENTS

573 **CME Credit Test**
602 **Continuing Education**
626 **Product News**
638 **Letter to the Editor**

NUMBER 10, OCTOBER 1997

RESEARCH PAPERS

641 **Doppler Sonographic Evaluation of the Portal Vein: Effects of Intravenous Dodecafluoropentane**
Sharlene A. Teefey, William D. Middleton, Tamara M. Crowe, Marion G. Peters

647 **Sonographic Detection of Bilateral Fetal Chest Masses: Report of Three Cases**
Kathryn L. Maas, Vickie A. Feldstein, Ruth B. Goldstein, Roy A. Filly

653 **Use of Ultrasonography in the Patient with Acute Abdominal Trauma**
John P. McGahan, John Rose, Terry L. Coates, David H. Wisner, Patrick Newberry

665 **Breast Ultrasonography: Computer-Aided Diagnosis Using Fuzzy Inference**
Shuji Koyama, Yasunori Obata, Kazuhiro Shimamoto, Takeo Ishigaki, Naohiro Ishii, Yukuo Isomoto, Katsumi Yoshine

673 **Method for Diagnosing Paravaginal Defects Using Contrast Ultrasonographic Technique**
Adam Ostrzenski, Newton G. Osborne, Katarzyna Ostrzenska

679 **Color Doppler Energy: Computer Analysis for Detection of Volume Flow Variations**
Anders Nilsson, Per-Åke Olofsson, Ingemar Lorén, Lennart Carlstedt, Paul Nilsson

685 **Ultrasonographic Evaluation of de Quervain Disease**
Francesco Giovagnorio, Chiara Andreoli, Maria Luisa De Cicco

691 **Sonographic Measurements of the Umbilical Cord in Pregnancies Complicated by Gestational Diabetes**
Amir Weissman, Peter Jakobi

695 **Doppler Echocardiographic Parameters Predictive of Recurrence of Atrial Fibrillation of Different Etiologic Origins**
Anna Vittoria Mattioli, Daniela Vivoli, Elisabetta Bastia

CASE REPORTS

699 **Renal Duplex Ultrasonography in the Diagnosis and Follow-up of a Case of Accelerated Transplant Rejection Treated with OKT3**
Octavio Salgado, Rafael García, Carlos Henríquez, Bernardo Rodríguez-Iturbe

703 **Unusual Case of Heterotopic Pregnancies in an In Vitro Fertilization–Embryo Transfer Patient**
Andrea M. Fisher, Barry B. Goldberg

707 **Changes in Superior Vena Cava Pulsed Doppler Flow Patterns: Possible Indicator of Improvement of Superior Vena Cava Syndrome Due to Lung Cancer**
S. Yano, K. Shimada

DEPARTMENTS

663 **CME Credit Test**
678 **Product News**
690 **Continuing Education**

NUMBER 11, NOVEMBER 1997

RESEARCH PAPERS

711 **Predicted and Actual Fetal Weight Throughout the Last Trimester**
José Morales-Roselló, Luis Martinez-Gonzalez, José J. Santonja-Lucas

719 **Sonographic Features of Mammary Oil Cysts**
Jennifer A. Harvey, Ruth E. Moran, Erik J. Maurer, Gia A. DeAngelis

725 **Human Dural Thickness Measured by Ultrasonographic Method: Reflection of Intracranial Pressure**
Hiroji Kuchiwaki, Suguru Inao, Naohiro Ishii, Yukio Ogura, Sui Ping Gu

731 **Clinical Significance of Isolated Enlargement of the Cisterna Magna (> 10 mm) on Prenatal Sonography**
Jeanne A. Haimovici, Peter M. Doubilet, Carol B. Benson, Mary C. Frates

737 **Effects of Oophorectomy and Hormone Replacement Therapy on Ophthalmic Artery Blood Flow Velocity Waveforms**
Kohkichi Hata,Toshiyuki Hata

743 **Isolated Splenic Metastases**
Hideaki Ishida, Kei Konno, Jiro Ishida, Kimiyuki Shirayama, Hiroko Naganuma, Tomoya Komatsuda, Yuki Hamashima, Osamu Masamune

CASE REPORTS

751 **Penile Metastasis from Prostate Cancer: Diagnosis with Sonography**
Fumie Nakayama, Sheila Sheth, Cynthia I. Caskey, Ulrike M. Hamper

755 **Prenatal Diagnosis of de Lange Syndrome**
Angela C. Ranzini, Debra Day-Salvatore, Donna Farren-Chavez, David A. McLean, Rose Greco

759 **Unusual Presentation of Amniotic Band Syndrome**
Ravit Nahum, Reuven Mashiach, Josef Shalev, Zion Ben-Rafael, Israel Meizner

763 **Intrahepatic Microlithiasis: Another Gastrointestinal Complication of Cystic Fibrosis**
Mary Jane Magruder, Martha M. Munden

767 **Cyst of the Velum Interpositum: Antenatal Ultrasonographic Features and Differential Diagnosis**
Barbara S. Hertzberg, Mark A. Kliewer, James M. Provenzale

771 **Proliferative Myositis: Rare Pseudotumorous Lesion**
Mario Sarteschi, Stefano Ciatti, Claudio Sabò, Pietro Massei, Riccardo Paoli

DEPARTMENTS

735 **CME Credit Test**
766 **Continuing Education**
775 **Product News**

VOLUME 16, NUMBER 12, DECEMBER 1997

RESEARCH PAPERS

777 **Transrectal Ultrasonographically Assisted Radical Retropubic Prostatectomy**
Amnon Zisman, Simon Strauss, Yoram I. Siegel, Hana Manor, Arie Lindner

783 **Sonographic Imaging of the Trachea**
Jin-Yuan Shih, Li-Na Lee, Heuy-Dong Wu, Chong-Jen Yu, Hao-Chien Wang, Yih-Leong Chang, Pan-Chyr Yang

791 **Sonographic, Magnetic Resonance Imaging, and Mammographic Assessments of Preoperative Size of Breast Cancer**
Wei Tse Yang, Wynnie Wai Man Lam, Humariah Cheung, Michael Suen, Walter W. K. King, Constantine Metreweli

799 **Birthweight Prediction by Three-Dimensional Ultrasonographic Volumes of the Fetal Thigh and Abdomen**
Wesley Lee, Christine H. Comstock, Janet S. Kirk, Ramada S. Smith, Jeffrey W. Monck, Raj Deenadayalu, Phillip J. Bendick

807 **Echogenicity of Hepatic Versus Portal Vein Walls Revisited with Histologic Correlation**
Ronald H. Wachsberg, Ellen A. Angyal, Kenneth M. Klein, Hon-Reen Kuo, W. Clark Lambert

813 **Hemodynamic Changes in the Early Phase of Artificially Created Arteriovenous Fistula: Color Doppler Ultrasonographic Findings**
Kamran Mahmutyazıcıoğlu, Mahmut Kesenci, Suat Fitöz, Süleyman Büyükberber, Orhan Şencan, İlhan Erden

819 **Blood Flow in Functional Cysts and Benign Ovarian Neoplasms in Premenopausal Women**
Juan Luis Alcázar, Tania Errasti, Matías Jurado

825 **Color Doppler Ultrasonography in the Diagnosis of Portal Vein Invasion in Patients with Pancreatic Cancer**
Norio Ueno, Takeshi Tomiyama, Shigeo Tano, Shinichi Wada, Takamitsu Miyata

831 **Effective Ultrasonographically Guided Intervention for Diagnosis of Musculoskeletal Lesions**
Deborah J. Rubens, Patrick J. Fultz, Ronald H. Gottlieb, Stuart J. Rubin

CASE REPORTS

843 **Sonographic Evolution of a Living Cervical Pregnancy Treated with Intraamniotic Instillation of Methotrexate**
Tai-Ho Hung, Tsung-Hong Chiu, Jenn-Jeih Hsu, Kuang-Chao Chen, Ching-Chang Hsieh, T'sang-T'ang Hsieh

849 **Pseudoaneurysm Formation in the Breast after Core Needle Biopsy**
Kornylo Chorny, Sughra Raza, Francis M. Bradley, Janet K. Baum

853 **Iatrogenic Creation of a Monoamniotic Twin Gestation in Severe Twin-Twin Transfusion Syndrome**
Tracy Lin Cook, Richard O'Shaughnessy

DEPARTMENTS

798 **Continuing Education**
811 **AIUM CME Credit Test**
857 **Author Index to Volume 16**
861 **Subject Index to Volume 16**
873 **Contents of Volume 16**